

## ABSTRACT

Microwave oven including an outer case forming a top and sides of a cabinet, a base plate forming a bottom of the cabinet, a front panel and a rear panel mounted in a front part and a rear part of the base plate for forming a front surface and a rear surface respectively, an inner case forming a cooking chamber on the base plate, first and second transformer mounted at corners of one side of the base plate, a fan above the second transformer for drawing external air, a fan motor connected to the fan for providing a driving power to the fan, a fan housing for protecting the fan, an air duct between the first and second transformers, having one end in communication with the fan housing and the other end branched to first and second branch ducts, and first and second magnetron on an outside surface of the inner case, the first and second magnetron connected to the first and second branch ducts respectively, thereby cooling various components of the microwave oven, smoothly.